

# Giulio Capolino

BS, MS, MBA from the Massachusetts Institute of Technology

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<i>Education</i>	<b>Massachusetts Institute of Technology</b> Master's of Business Administration Master's of Engineering in Computer Science & Electrical Engineering B.S. in Computer Science & Electrical Engineering, and Business Analytics (4.8/5.0)	Class of 2025 Class of 2020 Class of 2019
<i>Experience</i>	<b>Domino Data Lab</b> Senior Software Engineer – Data Team	San Francisco, CA Sept. 2020 – present
	<ul style="list-style-type: none"><li>Designed, architected, implemented, and tested a variety of features for the Data team, including ability to register, mount, query, and audit external data volumes, datasets, and data sources within Domino platform</li><li>Developed multiple standalone lightweight microservices written in Go and integrated them with a the Domino Kubernetes infrastructure to handle fast data transmission or download at scale between Domino executions and external data sources such as AWS Redshift, S3, Snowflake, and many more</li><li>Led university career recruitment for MIT</li></ul>	
	<b>Bridgewater Associates</b> Software Engineering Intern – Trading Technology	Westport, CT June – Aug. 2019
	<ul style="list-style-type: none"><li><i>Context:</i> Trading platform executes trades in a systematic way via a set of rules stating that, when a certain precondition holds, a certain action should be taken</li><li>Designed and implemented notion of groups within trading rules with similar logic and expanded this notion to processes whose logic and clarity decreased with the platform's growth</li><li>Published implemented feature to production and to NRules (opensource rules engine via .NET)</li></ul>	
	<b>Yext</b> Software Engineering Intern	New York City, NY June – Aug. 2018
	<ul style="list-style-type: none"><li>Created server endpoints and web extensions alongside full-time engineers</li><li>Added front-end features on five sprints</li></ul>	
	<b>e-Novia S.p.A.</b> Data Scientist Intern	Milan, Italy June – July 2017
	<ul style="list-style-type: none"><li>Optimized old and created new data collection procedures in Python</li></ul>	
<i>Research &amp; Projects</i>	<b>Experimental and Analytical Neuroscience Project</b> Master's Thesis in the McGovern Institute for Brain Research	Cambridge, MA Sept. 2019 – May 2020
	<ul style="list-style-type: none"><li>Created new data collection procedure and data analysis algorithms to explore the role of dopamine in neurodegenerative diseases such as Parkinson's and Huntington's</li></ul>	
	<b>MIT Driverless – Computer Vision Engineer</b> MIT Club participating in Formula Student Driverless (autonomous racing vehicles)	Sept. 2019 – Feb. 2020
	<ul style="list-style-type: none"><li>Pruned CV neural network to achieve significant latency speedup in track boundary detection</li></ul>	
	<b>Optimizing Basketball End-of-Game Decision – Optimization Project</b>	May 2017
	<ul style="list-style-type: none"><li>Created a program in Python that, given two teams' statistics, optimizes the last 30 seconds of basketball game in which one team is trailing another by one point</li></ul>	
<i>Skills</i>	Programming Languages: Scala, Go, C#, Java, Python, R, HTML & CSS, Julia-JuMP, SQL Human Languages: Italian, English, French, Arabic (beginner), Spanish (beginner)	
<i>Leadership Activities</i>	<b>Teaching Assistant for Intro to Computer Science Class</b> <b>Sports Manager for MIT Intramural Soccer League</b> <b>Co-President of the International Student Association</b> <b>Chair of the MIT UA Alumni Affairs Committee</b>	Sept. 2017 – May 2020 Sept. 2017 – Feb. 2020 May 2016 – May 2017 May 2016 – May 2017